

RESOLUTION NO. 2011-16

A RESOLUTION OF THE LODI CITY COUNCIL
AUTHORIZING THE PURCHASE OF PADMOUNT
TRANSFORMERS FROM HEES ENTERPRISES,
INC., OF ASTORIA, OREGON, AND HOWARD
INDUSTRIES, INC., OF LAUREL, MISSISSIPPI

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WHEREAS, in answer to notice duly published in accordance with law and the order of this City Council, sealed bids were received and publicly opened on January 12, 2011, at 11:00 a.m., for the purchase of padmount transformers, described in the specifications therefore approved by the City Council on October 6, 2010; and

WHEREAS, said bids have been compared as to life-cycle costs, checked, and tabulated as shown on Exhibit A attached; and

WHEREAS, the bids meeting the City's specifications with the lowest estimated life-cycle costs are shown below:

12 each 37.5kVA, 1-Phase 120/240V	HEES Enterprises, Inc	\$18,778.95
12 each 75kVA, 1-Phase, 120/240	HEES Enterprises, Inc.	\$26,582.86
3 each 75kVA, 3-Phase, 208/120V	Howard Industries, Inc.	\$13,046.74
2 each 112.5kVA, 3-Phase, 480/277V	Howard Industries, Inc	\$ 9,874.50
2 each 225kVA, 3-Phase, 480/277V	HEES Enterprises, Inc	\$14,816.10
2 each 300kVA, 3-Phase, 480/277V	HEES Enterprises, Inc	\$15,923.18
2 each 1000kVA, 3-Phase, 480/277V	HEES Enterprises, Inc	\$32,829.45
4 each 1500kVA, 3-Phase, 480/277V	HEES Enterprises, Inc.	\$82,345.50

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby authorize the purchase of padmount transformers, as shown above, in the amount of \$214,197.27.

Dated: February 16, 2011

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I hereby certify that Resolution No. 2011-16 was passed and adopted by the City Council of the City of Lodi in a regular meeting held February 16, 2011, by the following vote:

AYES: COUNCIL MEMBERS – Hansen, Katzakian, Mounce, Nakanishi, and
Mayor Johnson

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS – None



RANDI JOHL
City Clerk

EXHIBIT A

Transformer Bid Evaluation				Bid Opening: January 12, 2011									
Padmount				Tax (factor):	1.0875	Primary Windings:				Three-Phase, 12000 Volt, 60Hz, Delta Connected			
January 25, 2011				No Load Loss \$/watt:	3.75					Single-Phase, 12000 Grd. Wye/6930 Volt, 60Hz			
				Load Loss \$/watt:	1.25								
Bid Item 1: 37.5 kVA, 240/120 Volt, Single Phase Pad				Number of units:				12	28				>1.5
Vendor	Unit	Extended	Price	No Load	Load	No Load	Load	Cost of	Life Cycle	Delivery	Height	Impedance	
	Price \$	Price \$	w/tax \$	Loss (watts)	Loss (watts)	Loss value	Loss value	Losses \$	Cost \$	(weeks)	(inches)	%	
Hees Enterprises Inc. (Ermco Transformers)	1,439.00	17,268.00	18,778.95	88	389	3,960.00	5,835.00	9,795.00	28,573.95	8	28	1.800	
Howard Industries Inc.	1,504.00	18,048.00	19,627.20	90	397	4,050.00	5,955.00	10,005.00	29,632.20	6-8	32	2.300	
CG Power System USA Inc.	No Offer											E	
Bid Item 2: 75 kVA, 240/120 Volt, Single Phase Pad,				Number of units:				12	28				>1.8
Vendor	Unit	Extended	Price	No Load	Load	No Load	Load	Cost of	Life Cycle	Delivery	Height	Impedance	
	Price \$	Price \$	w/tax \$	Loss (watts)	Loss (watts)	Loss value	Loss value	Losses \$	Cost \$	(weeks)	(inches)	%	
Hees Enterprises Inc. (Ermco Transformers)	2,037.00	24,444.00	26,582.85	135	686	6,075.00	10,290.00	16,365.00	42,947.85	8	28	2.000	
Howard Industries Inc.	2,231.00	26,772.00	29,114.55	150	674	6,750.00	10,110.00	16,860.00	45,974.55	6-8	32	2.500	
CG Power System USA Inc.	No Offer											E	
Bid Item 3: 75 kVA, 208/120 Volt, Three Phase Pad,				Number of units:				3	65				>1.8
Vendor	Unit	Extended	Price	No Load	Load	No Load	Load	Cost of	Life Cycle	Delivery	Height	Impedance	
	Price \$	Price \$	w/tax \$	Loss (watts)	Loss (watts)	Loss value	Loss value	Losses \$	Cost \$	(weeks)	(inches)	%	
Hees Enterprises, Inc. (Ermco Transformers)	4,955.00	14,865.00	16,165.69	137	1112	1,541.25	4,170.00	5,711.25	21,876.94	8	49	2.700	
Howard Industries Inc.	3,999.00	11,997.00	13,046.74	177	984	1,991.25	3,690.00	5,681.25	18,727.99	6-8	45	2.300	
CG Power System USA Inc.	3,645.00	10,935.00	11,891.81	196	1002	2,205.00	3,757.50	5,962.50	17,854.31	6-8	52.1	2.280	
Bid Item 4: 112.5 kVA, 480Y/277 Volt, Three Phase Pad				Number of units:				2	65				22.0
Vendor	Unit	Extended	Price	No Load	Load	No Load	Load	Cost of	Life Cycle	Delivery	Height	Impedance	
	Price \$	Price \$	w/tax \$	Loss (watts)	Loss (watts)	Loss value	Loss value	Losses \$	cost \$	(weeks)	(inches)	%	
Hees Enterprises Inc. (Ermco Transformers)	5,130.00	10,260.00	11,157.75	262	1046	1,965.00	2,615.00	4,580.00	15,737.75	8	49	4.000	
Howard Industries Inc.	4,540.00	9,080.00	9,874.50	267	1194	2,002.50	2,985.00	4,987.50	14,862.00	6-8	45	2.400	
CG Power System USA Inc.	4,353.00	8,706.00	9,467.78	293	1190	2,197.50	2,975.00	5,172.50	14,640.26	6-8	52.1	2.280	
Bid Item 5: 225 kVA, 480Y/120 Volt, Three Phase Pad,				Number of units:				2	65				23.5
Vendor	Unit	Extended	Price	No Load	Load	No Load	Load	Cost of	Life Cycle	Delivery	Height	Impedance	
	Price \$	Price \$	w/tax \$	Loss (watts)	Loss (watts)	Loss value	Loss value	Losses \$	cost \$	(weeks)	(inches)	%	
Hees Enterprises Inc. (Ermco Transformers)	5,130.00	10,260.00	11,157.75	262	1046	1,965.00	2,615.00	4,580.00	15,737.75	8	49	4.000	
Howard Industries Inc.	4,540.00	9,080.00	9,874.50	267	1194	2,002.50	2,985.00	4,987.50	14,862.00	6-8	45	2.400	
CG Power System USA Inc.	4,353.00	8,706.00	9,467.78	293	1190	2,197.50	2,975.00	5,172.50	14,640.26	6-8	52.1	2.280	

Padmount - Attach.xls

Transformer Bid Evaluation				Bid Opening: January 12, 2011								
Padmount				Tax (factor):	1.0875	Primary Windings:		Three-Phase, 12000 Volt, 60Hz, Delta Connected				
January 25, 2011				No Load Loss \$/watt:	3.75			Single-Phase, 12000 Grd. Wye/6930 Volt, 60Hz				
				Load Loss \$/watt:	1.25							
	Price \$	Price \$	w/tax \$	Loss (watts)	Loss (watts)	Loss value	Loss value	Losses \$	cost \$	(weeks)	(inches)	yo
Hees Enterprises Inc. (Ermco Transformers)	6,812.00	13,624.00	14,816.10	443	1644	3,322.50	4,110.00	7,432.50	22,248.60	a	49	4.800
Howard Industries Inc.	7,380.00	14,760.00	16,051.50	520	1716	3,900.00	4,290.00	8,190.00	24,241.50	6-8	55	5.100
CG Power System USA Inc.	5839.00	11,678.00	12,699.83	407	2416	3,052.50	6,040.00	9,092.50	21,792.33	6-8	52.1	3.580 E
Bid Item 6: 300kVA, 480Y/277 Volt, Three Phase Pad,						Number of units:		2			65	>3.5
Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
Hees Enterprises Inc. (Ermco Transformers)	7,321.00	14,642.00	15,923.18	464	2531	3,480.00	6,327.50	9,807.50	25,730.68	8	49	4.500
Howard Industries Inc.	8,716.00	17,432.00	18,957.30	570	2430	4,275.00	6,075.00	10,350.00	29,307.30	6-8	56	4.300
CG Power System USA Inc.	7,435.00	14,870.00	16,171.13	529	2679	3,967.50	6,697.50	10,665.00	26,836.13	6-8	61.6	3.550 E
Bid Item 7: 1000kVA, 480Y/277 Volt, Three Phase Pad,						Number of units:		2			90	±5.3.0
Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
Hees Enterprises Inc. (Ermco Transformers)	15,094.00	30,188.00	32,829.45	1188	7196	8,910.00	17,990.00	26,900.00	59,729.45	8	63	5.800
Howard Industries Inc.	18,747.00	37,494.00	40,774.73	1242	7995	9,315.00	19,987.50	29,302.50	70,077.23	6-8	75	5.900 E
CG Power System USA Inc.	14,838.00	29,676.00	32,272.65	1179	8437	8,842.50	21,092.50	29,935.00	62,207.65	6-8	72.1	5.750 E
Bid Item 8: 1500kVA, 480Y/277 Volt, Three Phase Pad,						Number of units:		4			90	>5.3
Vendor	Unit Price \$	Extended Price \$	Price w/tax \$	No Load Loss (watts)	Load Loss (watts)	No Load Loss value	Load Loss value	Cost of Losses \$	Life Cycle Cost \$	Delivery (weeks)	Height (inches)	Impedance %
Hees Enterprises Inc. (Ermco Transformers)	18,930.00	75,720.00	82,345.50	1557	10549	23,355.00	52,745.00	76,100.00	158,445.50	8	63	6.000
Howard Industries Inc.	23,423.00	93,692.00	101,890.05	1818	10383	27,270.00	51,915.00	79,185.00	181,075.05	6-8	71	5.750
CG Power System USA Inc.	18,937.00	75,748.00	82,375.95	1493	11985	22,395.00	59,925.00	82,320.00	164,695.95	6-8	74.1	5.750 E
			Total Price					Total LCC				
Hees Enterprises Inc. (Ermco Transformers)			218,599.46					375,290.71				
Howard Industries Inc.			249,336.56					413,897.81				
CG Power System USA Inc.			164,879.14	Less Bid Items 1 & 2				308,026.64		Less Bid Item 1 & 2		
Padmount - Attach.xls												

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